

# **EFFORTS TO INCREASING STUDENTS PRACTICAL COMPETENCE IN THE SUBJECT OF THE AUTOMOTIVE ELECTRICAL TRAINING USING PEER TEACHING METHOD**

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## **ABSTRACT**

This research is aim at 1) knowing the learning process in the subject of the automotive electrical training by applying peer teaching method, and 2) knowing the increasing of students' practical skill in the subject of the automotive electrical training application of peer teaching method.

The research is classroom action research that is collaborative between the researcher and the teacher of XI TKR 2 as the research object. This research is conducted in 3 cyclus, each cyclus is starting with the stage of planning action, implementing, the actions, observation, reflection, and the new result of reflection problem. The research subjects to which the action are the students grade XI of TKR 2 SMK Canda Bhirawa Pare numbered 40 students. The data collected through observation method, diary and documentation. Data analysis was descriptive data were analysed quantitatively by step since the act of learning is implemented and developed during the learning process.

The research concluded that the learning process in the subject of the automotive electrical training using peer teaching method implemented by the teacher by relating the lessons to the real world, the teacher modelling how to identity components, detecting components, arranging lighting system and problem solving are given by teacher, students then directly practising, discussing, filling in the worksheets and presenting the result of the discussion, so that the learning process can enhance students practical skill to reach 81,25% while the succes indicator is more than 70 %. The conclusion of this research is the students practical competence can be increasing through the implementations of peer teaching method.

# **UPAYA PENINGKATAN KOMPETENSI PRAKTIK SISWA PADA MATA DIKLAT KELISTRIKAN OTOMOTIF DENGAN METODE *PEER TEACHING***

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## **ABSTRAK**

Tujuan penelitian ini adalah: 1) untuk mengetahui proses pembelajaran pada mata diklat kelistrikan otomotif dengan menerapkan metode *Peer Teaching*; dan 2) mengetahui peningkatan kemampuan praktik siswa pada mata diklat kelistrikan otomotif penerapan metode *Peer Teaching*.

Penelitian ini merupakan penelitian tindakan kelas bersifat kolaborasi antara peneliti dan guru kelas XI TKR 2 sebagai pelaku tindakan kelas. Penelitian ini dilaksanakan dalam 3 siklus, setiap siklus dimulai dengan tahapan perencanaan tindakan, pelaksanaan tindakan, observasi, refleksi dan permasalahan baru hasil refleksi. Subjek penelitian yang dikenai tindakan adalah siswa kelas XI TKR 2 SMK Canda Bhirawa - Pare yang berjumlah 40 siswa. Data dikumpulkan melalui metode observasi, catatan lapangan dan dokumentasi. Analisis data secara deskriptif kuantitatif dengan langkah data dianalisis sejak tindakan pembelajaran dilaksanakan dan dikembangkan selama proses pembelajaran.

Hasil penelitian menyimpulkan bahwa proses pembelajaran pada mata diklat kelistrikan otomotif dengan metode *peer teaching* dilaksanakan oleh guru dengan mengaitkan pelajaran dengan dunia nyata, kemudian guru mempraktikkan cara pengidentifikasian komponen, pendeteksian komponen, merangkai sistem penerangan dan pemecahan masalah diberikan oleh guru siswa langsung mempraktikkan, berdiskusi, mengisi LKS dan mempresentasikan hasil diskusi, sehingga proses pembelajaran bisa meningkatkan kemampuan praktik siswa mencapai 81,25%, sedangkan indicator keberhasilannya adalah >70%. Kesimpulan penelitian ini adalah kompetensi praktik siswa dapat ditingkatkan melalui penerapan metode *peer teaching*.

*Kata kunci* : kompetensi praktik, *peer teaching*